

Notice of Allowability

Application No.

10/520,653

Examiner

Eric S. Cardwell

Applicant(s)

KONDOH ET AL.

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2189

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the request for continued examination filed 28th September 2007.
2. ☒ The allowed claim(s) is/are 3,4,6-11 and 17-19.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date +9/28/2007
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Information Disclosure Statement

As required by M.P.E.P. ' 609 (C), the applicant's submission of the Information Disclosure Statement dated September 28th, 2007, is acknowledged by the examiner and the cited references have been considered in the examination of the claims now pending. As required by M.P.E.P. ' 609 C(2), a copy of the PTOL-1449 initialed and dated by the examiner is attached to the instant office action.

Response to Amendment

Claims 3, 4, 6, 9, and 18 have been amended for the purposes of continued examination.

Claim 5 has been cancelled.

Claims 3, 4, 6-11, and 17-19 are pending in this application.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

Claims 3,4,6-11, and 17-19 are allowed.

The prior art of record including the disclosures of Biggs and Kumar neither anticipate nor renders obvious the below recited combinations.

The primary reasons for allowance of claim 1 in the instant application is the inclusion in the claims of "a first memory constituting a cache memory; a second memory which can be used to provide a cacheable area or a non-cacheable area for the first memroy" combined with "a read buffer... wherein the read buffer is connected to a first bus upstream therefrom in a transmission path of a read request and is

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connected to a second bus downstream therefrom in the transmission path of the read request”

The primary reasons for allowance of claim 6 in the instant application is the inclusion in the claims of “a third bus connected between the first memory to the second memory, in a path different from a patch formed by the first and second buses, to access the second memory for the cacheable area”.

The primary reasons for allowance of claim 17 in the instant application is the inclusion in the claims of “a designator which selectively designates an area of the second memory as secondary cache memory or memory which is not cache memory”.

Because claims 4,7-11, and 18-19 depend directly or indirectly on independent claims 1, 6, and 11, these claims are considered allowable for at least the same reasons noted above.

Conclusion

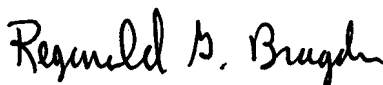
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric S. Cardwell whose telephone number is 571-270-1379. The examiner can normally be reached on Mon-Fri 8am-5pm Eastern Alt. Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Reginald Bragdon can be reached on 571-272-4204. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ESC


REGINALD BRAGDON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100